# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 08/04/2020 09:56 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 02/04/2020 09:45 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 80996 | Expiration Date: | 04/30/2020 (Expired) |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124285 | -1 | 2.72 | 124335 | 2.67 |
| Blue | F | SSC | 125000 | 124218 | -1 | 2.01 | 124952 | 2.04 |
| Blue | E | FITC | 15892 | 15516 | -3 | 2.85 | 338 | 20.10 |
| Blue | D | PE | 29999 | 29075 | -4 | 2.01 | 631 | 15.16 |
| Blue | B | PerCP-Cy5-5 | 43732 | 43639 | -1 | 3.80 | 1171 | 21.62 |
| Blue | A | PE-Cy7 | 30845 | 30838 | -1 | 6.26 | 584 | 42.98 |
| Red | C | APC | 46112 | 45453 | -2 | 2.60 | 1604 | 12.17 |
| Red | A | APC-Cy7 | 30458 | 29713 | -3 | 2.49 | 785 | 11.87 |
| Violet | B | V450 | 7918 | 7575 | -5 | 4.29 | 431 | 13.11 |
| Violet | A | V500 | 32171 | 31489 | -3 | 4.06 | 736 | 10.04 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 17283 | 14.63 | 634 | 13 | N/A | N/A | Pass |
| Blue | F | SSC | 57142 | 1.43 | 575 | 16 | N/A | N/A | Pass |
| Blue | E | FITC | 61 | 64.54 | 550 | 7 | 0.0198 | 121 | Pass |
| Blue | D | PE | 132 | 51.57 | 555 | 7 | 0.1558 | 279 | Pass |
| Blue | B | PerCP-Cy5-5 | 215 | 50.41 | 664 | 8 | 0.0078 | 0 | Pass |
| Blue | A | PE-Cy7 | 107 | 108.72 | 709 | 11 | 0.0100 | 21 | Pass |
| Red | C | APC | 382 | 25.32 | 589 | 5 | 0.0244 | 145 | Pass |
| Red | A | APC-Cy7 | 174 | 28.24 | 560 | 4 | 0.0057 | 898 | Pass |
| Violet | B | V450 | 64 | 58.41 | 464 | 6 | 0.0460 | 1624 | Pass |
| Violet | A | V500 | 109 | 30.45 | 480 | 6 | 0.0248 | 437 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 08/04/2020 09:56 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 02/04/2020 09:45 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -32.25 | -31.98 | 0.98 |
| Blue | 20.34 | 16.27 - 24.41 | 1.26 | 0.99 - 1.49 | 0.00 | 0.00 | 1.44 |
| Red | 15.35 | 13.60 - 20.40 | N/A | N/A | 29.63 | 29.96 | 1.19 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

## Threshold

Threshold (FSC): 10470

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments